

What is claimed is:

1. A formatted document creating system used for recording conversation comprising,
 - a speech recognition device for recognizing speech of conversation,
 - an information extracting section for extracting information to be recorded according to the results of speech recognition,
 - a conversation record buffer for transforming into formatted sentence including the extracted information and recording this as contents of conversation,
 - a case database for storing the above formatted sentence which may occur as the contents of conversation and includes many information,
 - a topicality control section for deducing an undefined information on the basis of one item of information included in the sentence recorded in the conversation record buffer section by referencing cases stored in the case database,
 - a multimodal interaction control section for inquiring the document creator about the undefined information recorded in the conversation record buffer to define the undefined information,
 - a input/output control section for controlling the communication with the document creator using graphic,
 - an input device for inputting the intention of the document creator into a computer system, and,
 - a conversation record archive for storing therein the record of the defined conversation.
2. A formatted document creating system defined in the claim 1, wherein the input/output control section are to be controlled in GUI, the input device including any one or those combination of a character input device, a pointing device, and the output device including any one or those combination of a speech synthesizer, an acoustic sound producing device, and a graphic display.
3. A formatted document creating system defined in the claim 1, wherein said topicality control section is constructed to store information that has been defined by the document creator in a conversation record buffer as a case in said case

database.

4. A formatted document creating system defined in the claim 1, wherein said information extracting section is constructed to write some nominations regarding proper information contents to the conversation record buffer with the reasonable degree information based on statistics when the extracted information regarding the proper information seems to be true.

5. A formatted document creating system defined in the claim 1, wherein said topicality control section is constructed to write some nominations regarding proper information to said conversation record buffer together with the reasonable degree information based on statistics when the deduced contents to be input in said conversation record buffer isn't decided only one thing.

6. A formatted document creating system defined in the claim 1, wherein said multimodal interaction control section is constructed to inquire the document creator by a speech, a GUI or a character input and define the information of sentence recorded in the conversation record buffer.

7. A formatted document creating system defined in the claim 5, wherein the multimodal interaction control section is constructed to inquire the document creator about information to be inquired in the conversation record buffer from the high nomination of a reasonable degree.

8. A formatted document creating system defined in the any of claim 1~7, wherein said system further includes a telephone set that enables to do conversation in apart place and a sender-side telephone number acquiring device that acquire the sender-side telephone number and record it in the conversation record buffer.

9. A formatted document creating method used for recording conversation comprising,

a speech recognition step for recognizing speech of conversation,

an information extracting step for extracting information to be recorded according to the results of speech recognition,

a writing in step for writing in the conversation record buffer for transforming into formatted sentence including the extracted information and recording this as contents of conversation,

a case storing step for storing in a case database the above formatted sentence which may occur as the contents of conversation and includes many information,

a deducing information set step for deducing an undefined information on

the basis of one item of information included in the sentence recorded the conversation record buffer section by referencing the cases stored in the case database and set it in the above conversation record buffer,

an information inquire renewing step for showing sentence including the undefined information recorded in the conversation record buffer by graphic to a document creator and inquiring the document creator about the undefined information recorded in the conversation record buffer to define the undefined information, and

a conversation record step for storing defined conversation record as sentences.